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DEC 03 2002

TECH CENTER 1600/2900

Gene Sequence Structure

*

2466 bp

Sequence Deleted

2505 bp

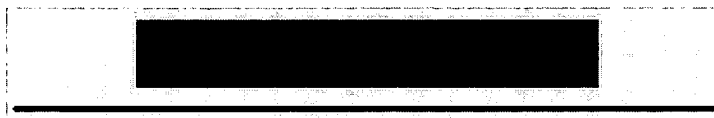
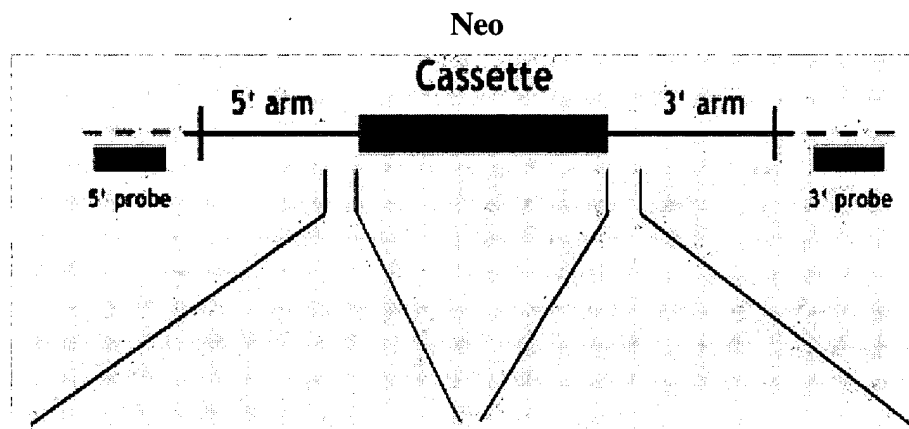
Size of full-length
cDNA: 3106 bp

FIGURE 2B(1)

Targeting Vector*
(genomic sequence)

Construct Number: 2035

Arm Length:
5': 3.8 kb
3': 1 kb— Targeting Vector:
- - - Endogenous Locus

* Not drawn to scale

5' > TTCCCCATTGAGACTGGCTTA
CCCCGGAAGCTGCCTGCCTCAGTC
TCCCGCTTCCTGTCTCCCCAGGTA
CCGGAGCGCTGATCCTGCAGAAGG
GTGAGATCCGTGTCATCAACCAGA
CCACCTGTGAGGACCTCATGCCGC
AGCAGATCACCCACGAATGATGT
GTGTGGGTTTCCTCAGTGGGGGTG
TGGACTCCTGC < 3'
(SEQ ID NO:3)

5' > ATGGGCGAATGTTCCAGGCTG
GTGTGGTGGGCTGGGGTGAAGGCT
GCGCTCAGAGGAACAAGCCAGGCG
TGTACACAAGGCTCCCTGTAGTTC
GGGACTGGATCAAAGAGCACACTG
GGGTATAGCAGCATGGACAGACAG
CCGACCACAAACACCCACAGGGAT
GCCCCGACATGCACACCTGGATACA
GGAGAGGGACA < 3'
(SEQ ID NO:4)

FIGURE 2B(2)



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Gene Sequence Structure

2466 bp

Sequence Deleted

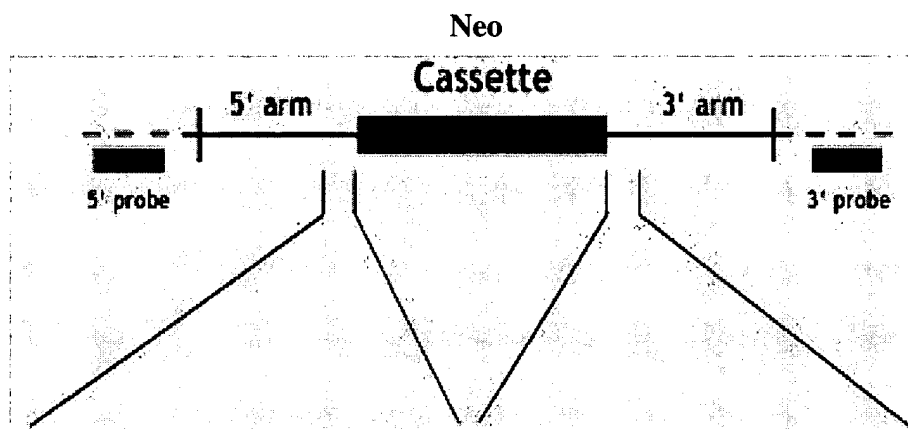
2505 bp

Size of full-length
cDNA: 3106 bp

FIGURE 2B(1)

Targeting Vector*
(genomic sequence)

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CCCCGGAAGCTGCCTGCCTCAGTC
TCCCGCTTCCGTGCTCCCCAGGTA
CCGGAGCGCTGATCCTGCAGAAGG
GTGAGATCCGTGTCATCAACCAGA
CCACCTGTGAGGACCTCATGCCGC
AGCAGATACCCACGAATGATGT
GTGTGGGTTTCCTCAGTGGGGGTG
TGGACTCCTGC<3'
(SEQ ID NO: 2/3)

5' > ATGGGCGAATGTTCCAGGCTG
GTGTGGTGGGCTGGGGTGAAGGCT
GCGCTCAGAGGAACAAGCCAGGCG
TGTACACAAGGCTCCCTGTAGTTC
GGGACTGGATCAAAGAGCACACTG
GGGTATAGCAGCATGGACAGACAG
CCGACCACAAACCCACAGGGAT
GCCCACATGCACACCTGGATACA
GGAGAGGGACA<3'
(SEQ ID NO: 3/4)

FIGURE 2B(2)